

CMA EXECUTIVE FORUM

24-MAY-07

**500-Day Plan Update and
CIO/G-6 IT Budget Discussion**

Mr. Vernon Bettencourt

Deputy, Chief Information Officer/G-6

CALL TO DUTY: BOOTS ON THE GROUND





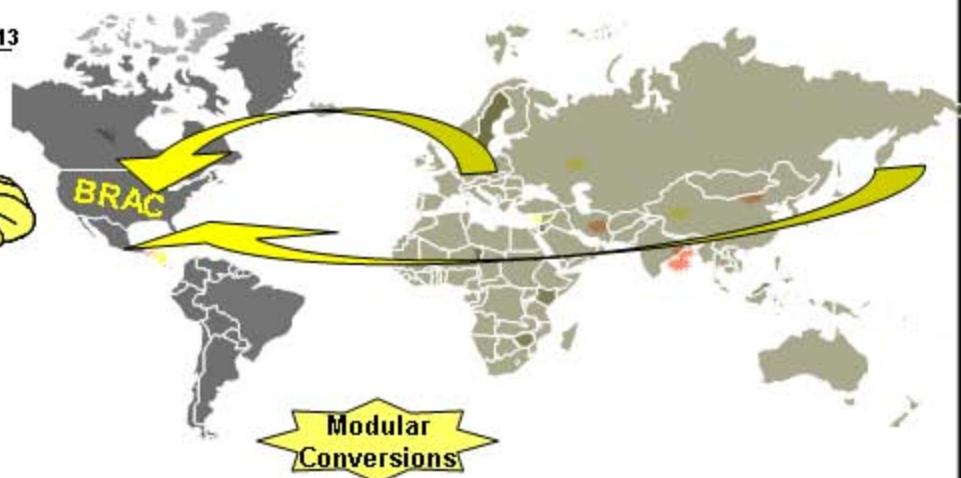
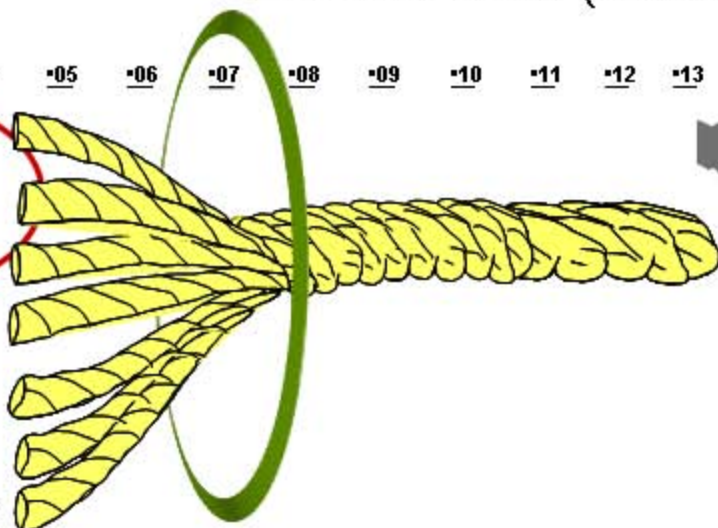
The Army is Very Busy... & on the Move...

- Continue to fight and win the GWOT
- Transform the way we Fight, Operate & Support
 - * Division Centric to Brigade Centric Force (AMF)
 - * Bring Units home from Germany & Korea (GDPR)
 - * Reshape our Forts, Camps and Arsenals (BRAC05)
 - * Become 'Lean' (Business Transformation)

•The Army Plan

•05 •06 •07 •08 •09 •10 •11 •12 •13

- ☐ •Army Modular Force Initiative
- ☐ •GDPR
- ☐ •BRAC
- ☐ •OIF/OEF
- ☐ •+65K
- ☐ •Endstrength
- ☐ •Reset/Modernization
- ☐ •Business Transformation



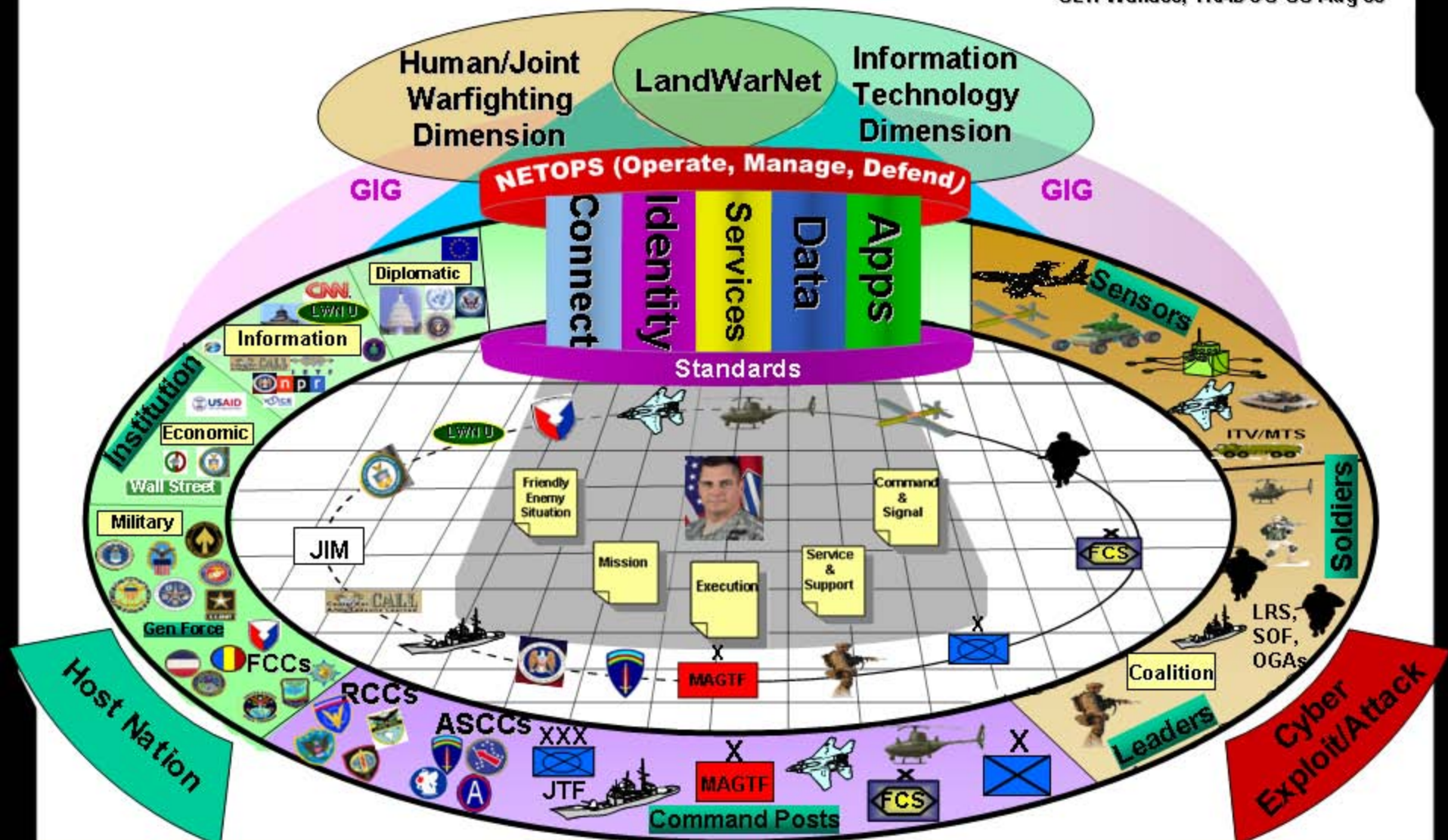
- Transform from Global Stationing to Home Based
- 1/3 of the Army moving due to AMF, GDPR & BRAC



LandWarNet Vision

LandWarNet is the means for Soldiers, leaders, and units, today and in the future, to conduct information-enabled joint, interagency, multinational warfighting and supporting operations.

GEN Wallace, TRADOC CG Aug 06



Elements of National Power: Institution (DIME), Expeditionary Command Post, Leaders, Soldiers, and Sensors



Army CIO/G-6 Task Organization



Chief Information Officer / G-6 Deputy CIO / G-6



CSM
Desjardins



MG Gerety

Chief Integration Officer



- Aligns CIO/G-6 strategic goals
- Strategic Communications
- Drives strategy implementation & transformation for IM/IT through CIO/G-6



BG Foley



Architecture, Operations, Networks & Space



BG Strong



- LandWarNet Architecture
- Develops the Enterprise Architecture
- Current Ops for GWOT
- Guides Enterprise Info Environment
- CTSF

Mr. Becktold



Mr. Winkler

Governance, Acquisition & Chief Knowledge Office



- Army IM/IT & Knowledge Management
- Governance and Policy
- Acquisition of IM/IT & KM solutions
- Oversees Knowledge-based workforce



Mr. Carroll

PEO Enterprise Information Systems



Develops, acquires, integrates, deploys & sustains:

- Knowledge-based information technology
- Business management systems
- Infrastructure



COL Phillips

Deputy, CIO-USAR

- MACOM (USARC) CIO
- Army Reserve Single DOIM
- MACOM IAPM
- Army Reserve Current Operations to 940 + sites
- "Transformation Lab"



BG Pollett



Network Enterprise Technology Command



(Direct Reporting Unit)

- Enterprise Network Management
- DOIM Oversight
- Computer Network Defense

Mr. Capps



Mr. Bradford



COL(P) Smith



Ms. Kelley

Information Resource Integration



- C4/IT Investment Strategy & Performance Evaluation
- Program Integration & Congressional Affairs
- Program Execution and OPA2 Management



500-Day Plan Goals



- ✓ **Develop and maintain** a secure, seamless, interdependent LandWarNet Network



- ✓ **Lead enterprise integration** to achieve decision superiority by transforming **processes, applications and data** into network-centric capabilities across the Army



- ✓ **Protect and defend** the Army's systems, networks, and information



- ✓ **Ensure Army information management and information technology investments** maximize Joint and Army capabilities



- ✓ **Develop the Army's information technology and information management knowledge and skills** to support mission needs



- ✓ **Deliver an integrated enterprise strategy** that influences Joint and Army use of information management and information technology in furthering the warfighting capabilities.





New 500-Day Plan Trends

Intent of the Summit

Provide a forum for strategic leaders of the Army Signal Regiment and DoD & Joint Stakeholders to enable development of a long term strategic plan and the update of the near-term execution plan (CIO/G-6 500-Day Plan) in support of DoD, Joint and Army strategic guidance.

Participants

- | | |
|------------------------------------|----------------------------------|
| • Army CIO/G-6 | • 5 th Signal Command |
| • NETCOM | • USPACOM J-6 |
| • 311 th TSC | • USMC |
| • 335 th TSC | • DCG/C3T |
| • 261 st Signal Brigade | • JCS, J-6 |
| • 359 th Signal Brigade | • OSD NII |
| • SIGCNTR | • DISA |
| • Ft. Monmouth, NJ | • AMC |

Way Ahead

Develop and publish next iteration of the CIO/G-6 500-Day Plan Brochure for Public Release: 11Jun07

Themes from the Summit

Goal 1: Institutionalize LandWarNet- tactical to operational – Enable Battle Command; Publish LWN Architecture, Implement "Installations as Docking Stations", Implement Network Service Centers, Accelerate JNN fielding/Signal FM readiness

Goal 2: Implement the Army Data Strategy in synchronization with DoD, Implement IM/KM down to Tactical level and ID roles and responsibilities for IM/KM, Implement Army Architecture Strategy – SOA, Segment Architectures and Enterprise Integration, Enforce standards thru IT PfM, and Configuration Mgmt.

Goal 3: Continue with HSPD-12 implementation, Assist RC with CAC implementation, Develop 3 factor authentication strategy, Enforce data-at-rest and data in motion policy.

Goal 4: Link resources (POM) to approved strategy (500d Plan), Leverage Supplemental and BRAC funding to resource strategic priorities. O&M of non-programs of record systems.

Goal 5: Synchronize 500d Plan with LandWarNet-U Near-Term Goals & Objectives; Expand Signal School support to include DA Civilians & Contractors.

Goal 6: Expand Strategic Communications in more Warfighter Understood TOR, Build 500d Plan based on long-term roadmaps for major initiatives.



I3MP – Modernizing Our Installations

I3MP...

- Extends the Global Information Grid onto Posts, Camps and Stations
- Provides
 - Secure and Non-Secure Voice
 - Classified & unclassified Installation Transport Network to:
 - Battalion and company level
 - Motor pools, logistics points, ranges, etc.
 - Network Security architecture
 - E-mail and storage servers

Started in FY 2005

- Fort Stewart & HAAF, GA
- Fort Benning & DTA, GA
- Fort Campbell, KY
- Fort Hood, TX
- Fort Drum, NY
- Fort Carson & PC, CO
- Fort Lewis & YFC, WA
- Fort Bliss, TX
- Fort Riley, KS
- Fort Bragg, NC
- Fort Irwin & NTC, CA
- Fort Polk, LA
- Camp Ederle (Vicenza)
- Grafenwöhr East Camp
- Grafenwöhr Training Area
- Camp Walker
- Patch Barracks
- Schofield Barracks & WAAF, HI
- Fort Richardson/Wainwright, AK
- Yongsan Garrison
- Camp Humphreys
- Camp Zama

In FY 2006

- Fort Carson & PC, CO
- Fort Lewis & YFC, WA
- Fort Indian Town Gap, PA (ARNG SBCT)
- Fort Bliss, TX
- Fort Riley, KS
- Wiesbaden Area
- Augsburg Area
- Kosovo (Villaggio Italia)
- Dal Molin
- Europe—Short Haul Tie Cabling
- Stuttgart—Inside Building Wiring
- Wiesbaden & Grafenwöhr—DISN-E Sites
- Europe—CAN Optical Switching & IA
- Korea—K-16 Site
- Hawaii—Pohakuloa Training Area
- Hawaii—Schofield Enclave
- Japan—Yokohama

In FY 2007

- Fort Lewis, WA
- Fort Bliss, TX
- Fort Carson, CO
- Ft Hood, TX
- Fort Sill, KS
- SIPR to Bn (Bragg, Carson, Steward, Polk, Irwin, Campbell)
- Camp Ederle, Italy
- Longare, Italy
- Kaiserslautern Panzer
- Kaiserslautern ROB
- Wiesbaden AAF
- European Command (EUCOM) Headquarters (Stuttgart)
- Yokohama North Dock (OSP/Data)
- Sagamiara Housing Area (Voice)
- Shafter Opts/Ft Hawaii Data Switch Upgrade

Yellow and underline denotes start of future scope.



I3MP - Installation Information Infrastructure Modernization Program



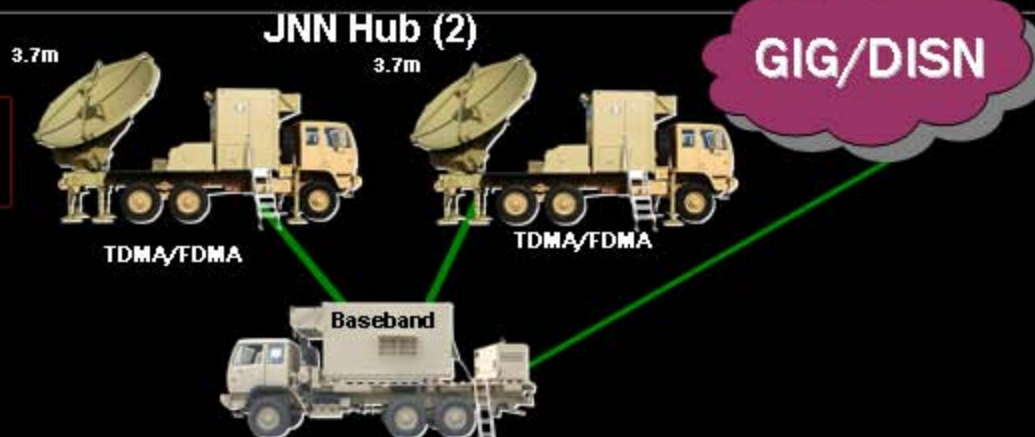
What does it provide to the Warfighter?

JNTC - S1

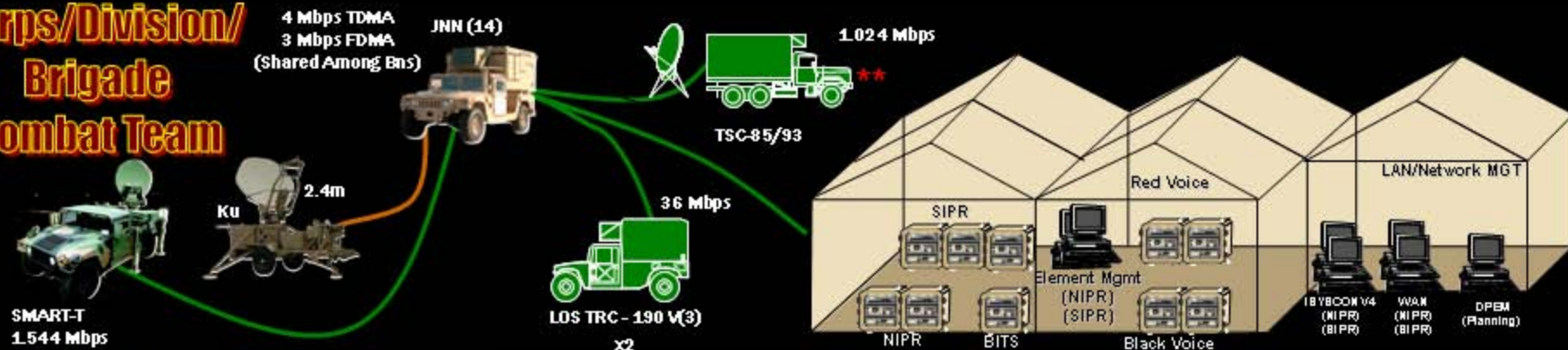


Sanctuary

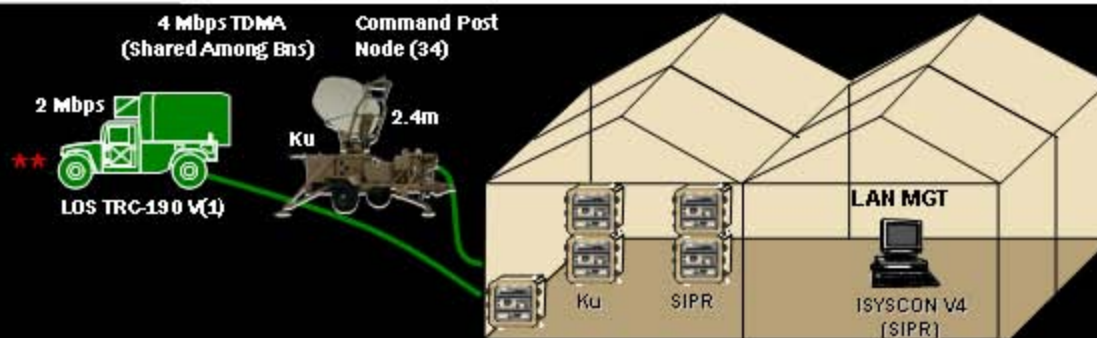
- Existing Equipment
- JNN Network Equipment



Corps/Division/ Brigade Combat Team



Battalion



** Unique to 31D



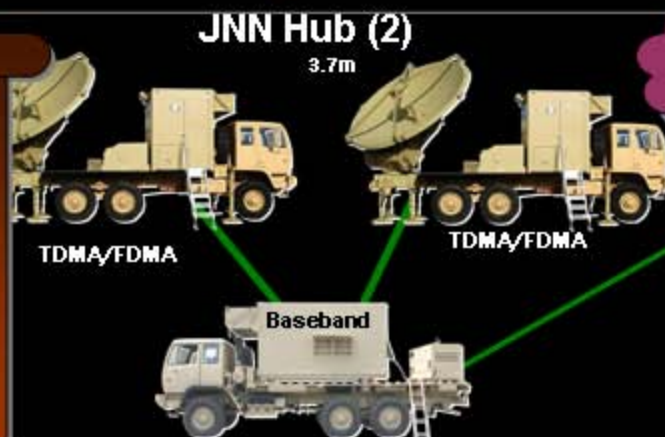
What does it provide to the Warfighter?

JNTC - S1



“Converged IP”

- Voice over IP
- NIPR/SIPR
- VTC/SVTC
- DSN/DRSN
- Commercial & Military SATCOM



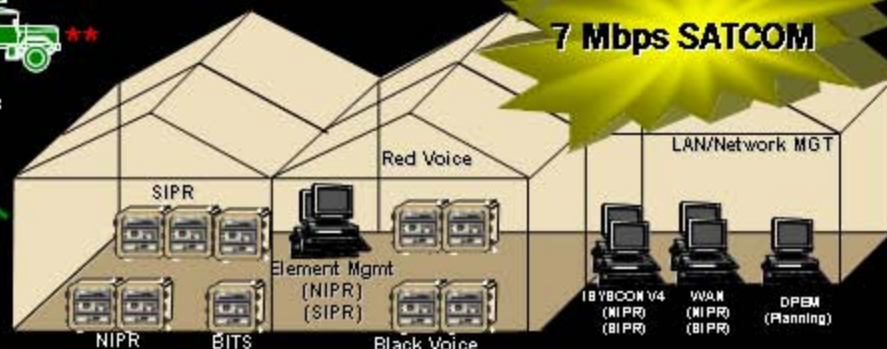
Deployed Now!

Provides up to 119 Mbps Of Commercial SATCOM Bandwidth

Corps/Division/ Brigade Combat Team



7 Mbps SATCOM



Spiral in:

- Ka Band
- Operations on the move
- Wireless LAN



- 4 Mbps Shared SATCOM/(10 Mbps - Apr 07)
- 2 Mbps LOS

** Unique to 310



Extending the Network in COIN Operations

Success of 10th MTN SPOP/Quicklink Support to the Warfighter

Company
Task Force
and Below



- Afghanistan
- Helicopter Deployed System on Side of Mountain



SPOP Provides

- CDR Huge Flexibility to Maneuver Network
- Scalable Multi-Network Capable
- Deployable Network Extension
- Seamless with JNTC-S--No Stovepipe
- Easy to Install, Operate & Maintain

"Before I maneuver my forces, I determine what network asset I have—the network (SPOP) has enabled my companies with real time Battle Command to execute the COIN fight" - - CDR, TF Chosin



Where we've been and where we're going!!

Microsoft Enterprise License

Active Directory

GSA
Smart Card



U.S. General Services Administration

CAC/PKI Logins

Secure the
Operating
System

Army @
92.2%**

Server 2003

Server 2007



Asset Discovery Tool

Encrypt E-mail

Encrypt data at rest

Consolidate APCs - - DISA mega centers

Thin-Client

VoIP

Microsoft Virtual Server



Virtualization

** W/S CAC Enabled



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Asset Discovery Tool

Encrypt E-mail

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Routers
with IRIS

Vista
Pilot

Consolidate APCs - - DISA mega centers

Thin-Client

VoIP

Microsoft Virtual Server



Virtualization

** W/S CAC Enabled

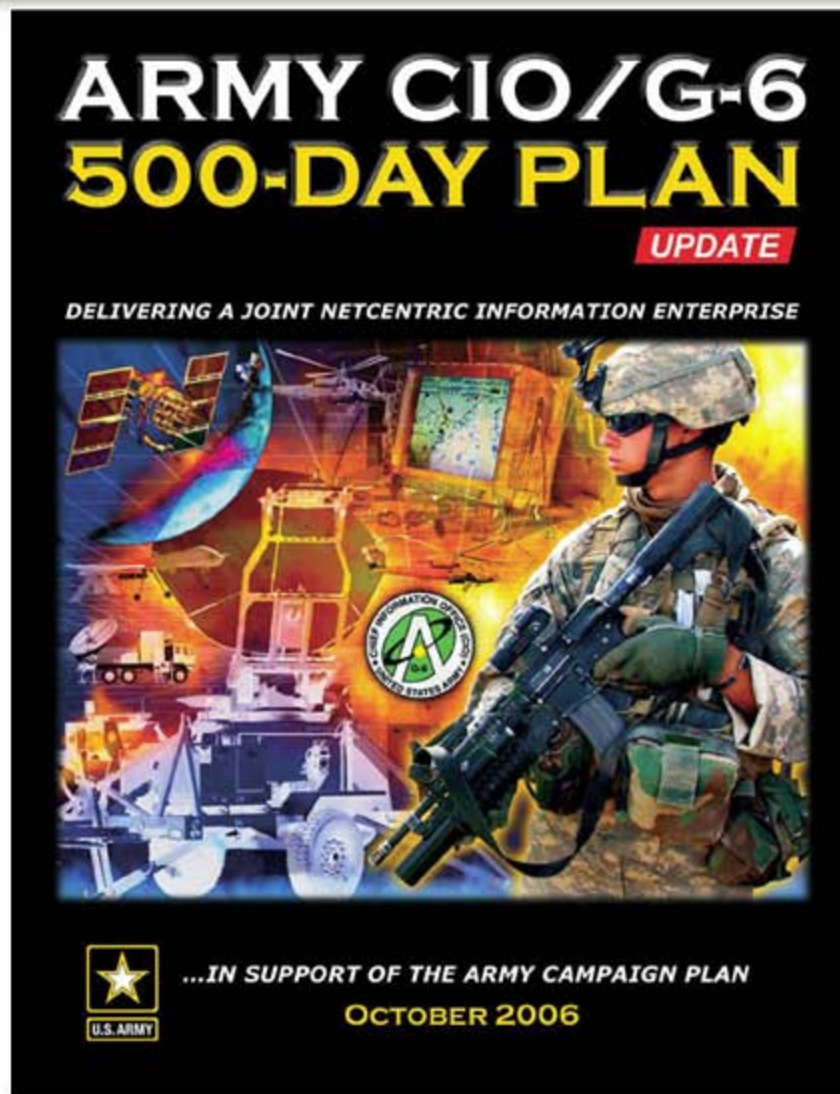


Summary

- ④ The Army has been transforming for over a decade
..Today – at warp speed – structure and a significant infusion of IT
- ④ The critical enabler to Army transformation is information technology!!
- ④ We must view our IT investments with a Total Cost of Ownership View –
.. including Life-cycle Costs
- ④ Transforming to commercial standards (IP)
..converging information services - - voice, data, video....EoIP
- ④ Providing a joint interoperable non-terrestrial network
..supporting brigade centric, modular forces
..extending the network down to company and battalion level
..connecting the logistician
..IP-based factory to foxhole
..next – the Soldier
- ④ Our Transformation is a Total Army effort – we all need to work collaboratively to achieve our goals



Questions and Thoughts



<http://www.army.mil/ciog6>